
**McAlester
Army Ammunition Plant
Quality Assurance
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**Visit our website:
<http://www.mcaap.army.mil>**

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Bomb Lift by Jib Crane



CNC Handling Systems



Thalus Microfocus X-ray



Digital Imaging Control Room

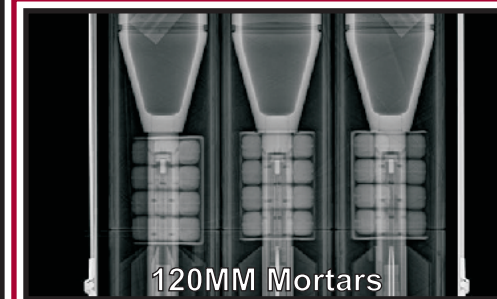
**MCALESTER
ARMY
AMMUNITION
PLANT**

McAlester, Oklahoma

ISO 9001: 2008 CERTIFIED

**X
R
A
Y**

SERVICES



120MM Mortars

**Quality
Assurance**



MCAAP

McAlester
Army Ammunition Plant

McAlester Army Ammunition Plant (MCAAP) is a full service X-ray Facility. MCAAP provides high quality/low cost state-of-the-art radiographic imaging services.



Munitions X-ray



PORTEX X-ray System



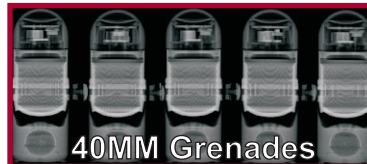
Munitions Test Range

CAPABILITIES

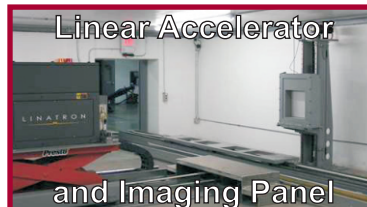
- ♦ Digital radioscopy
- ♦ Inspection of thick section parts
- ♦ Explosives
- ♦ Bombs and warheads up to 5,000 lbs.
- ♦ Mortars
- ♦ Cartridges
- ♦ Ammunition components
- ♦ Grenades and fuzes
- ♦ Other Ammunition and Non-Ammunition items

FACILITIES

- ♦ Large, 15,000 square feet inspection facilities with two 25' x 35' radiographic inspection vaults
- ♦ Second facility with Portex mobile X-ray system
- ♦ Firing Test Range
- ♦ Rail and road access



40MM Grenades



Linear Accelerator

and Imaging Panel

EQUIPMENT

- ♦ Two state-of-the-art Varian high-energy linear accelerators, 6/9 MEV and 3.5/6 MEV
- ♦ 320 kV X-ray Comet high power system
- ♦ APE Portex system with digital imaging and Thalys 130 Microfocus X-ray
- ♦ Two CNC part manipulators. Engineering design support available for custom adaption.
- ♦ Three Perkin Elmer, amorphous Si/GadOx, flat panel detectors with 16" x 16" imaging area
- ♦ Fully integrated part manipulation and image acquisition capability
- ♦ Hirox portable digital microscope
- ♦ Image file conversion for customer information exchange
- ♦ CR system, Kodak Industrex HPX-1 digital system
- ♦ Two Phantom high speed cameras

EXPERTISE

- ♦ Nine person team dedicated to X-ray
- ♦ Certified radiographers: two level 3, four level 2, and three level 1